

[WIRELESS TRANSMITTING/RECEIVING CIRCULATOR CIRCUIT]

Abstract

A wireless transmitting/receiving circulator circuit is disclosed.

The circuit comprises a first band-pass filter, a filter and a second band-pass filter. The first band-pass filter is coupled to the receiving end of a wireless device and an antenna for receiving signals from the antenna and filtering the signals to produce a receiving signal. The receiving signal is transmitted to the receiving end of the wireless device. The filter is coupled to the antenna for blocking antenna signals containing the transmitting wave band. The second band-pass filter is coupled to the transmitting end of the wireless device and the filter for receiving signals from the transmitting end and filtering the signals to produce a transmitting signal. The transmitting signal is transmitted via the antenna after passing through the filter.